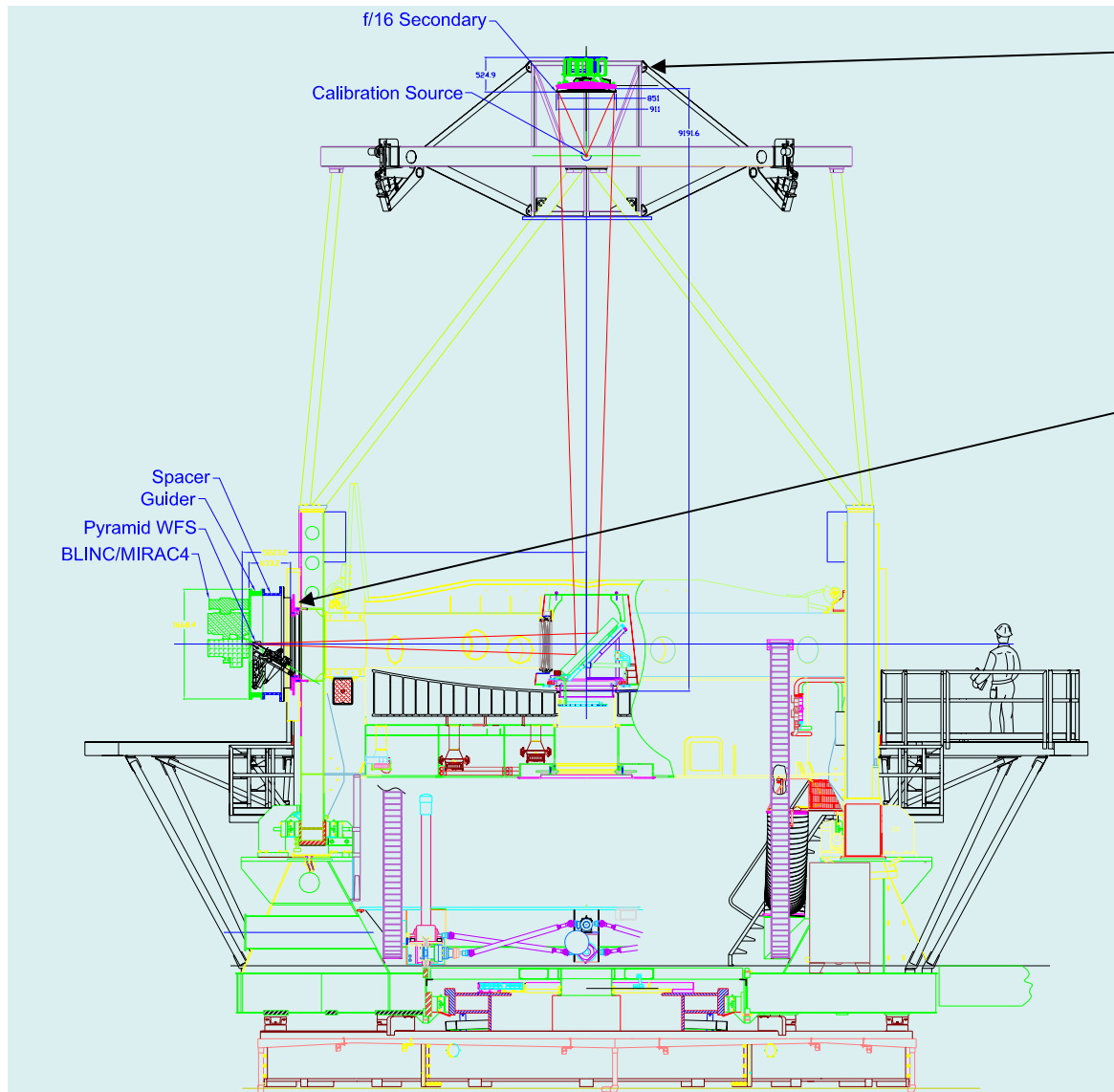


# Magellan f/16 Adaptive Secondary

Mechanical

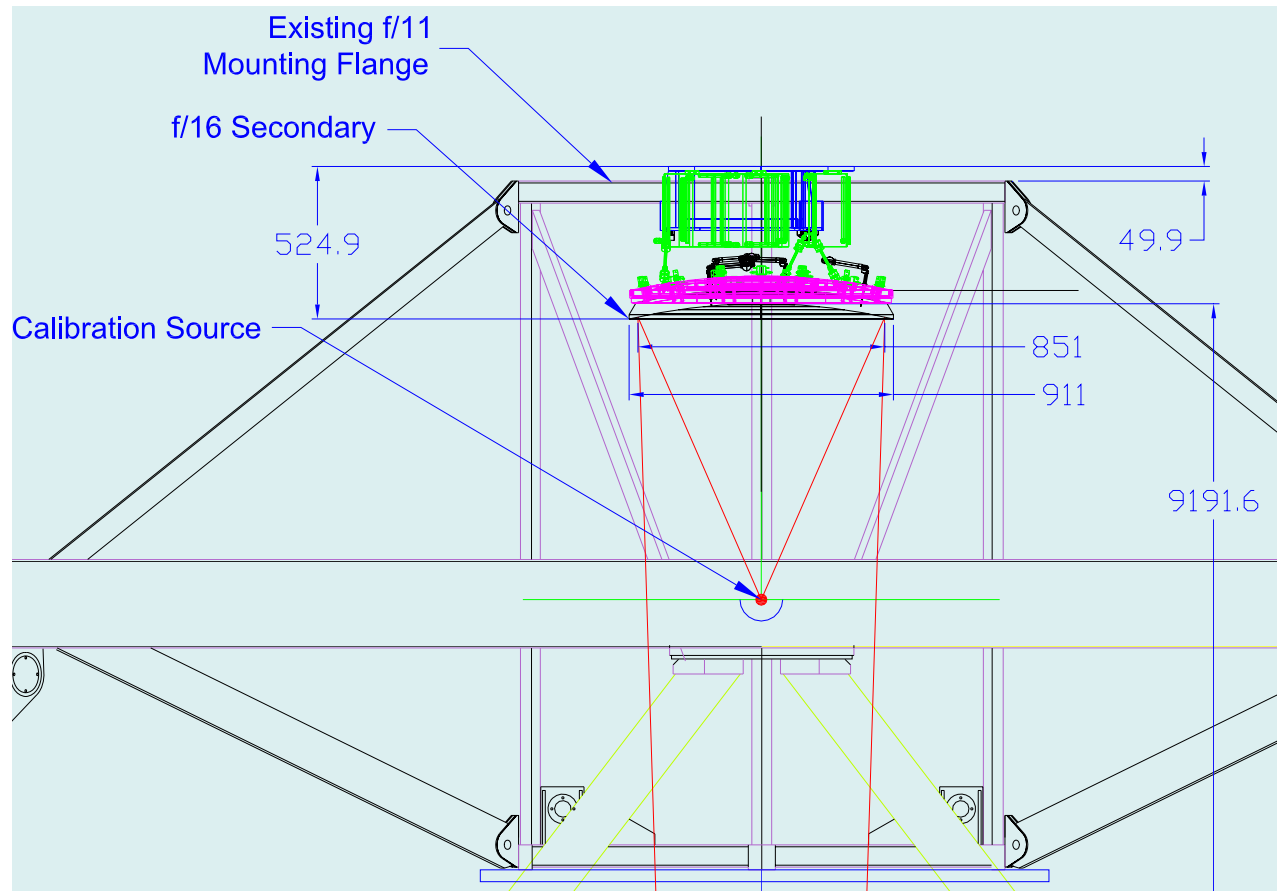
Laird Close and Victor Gasho

# System Layout



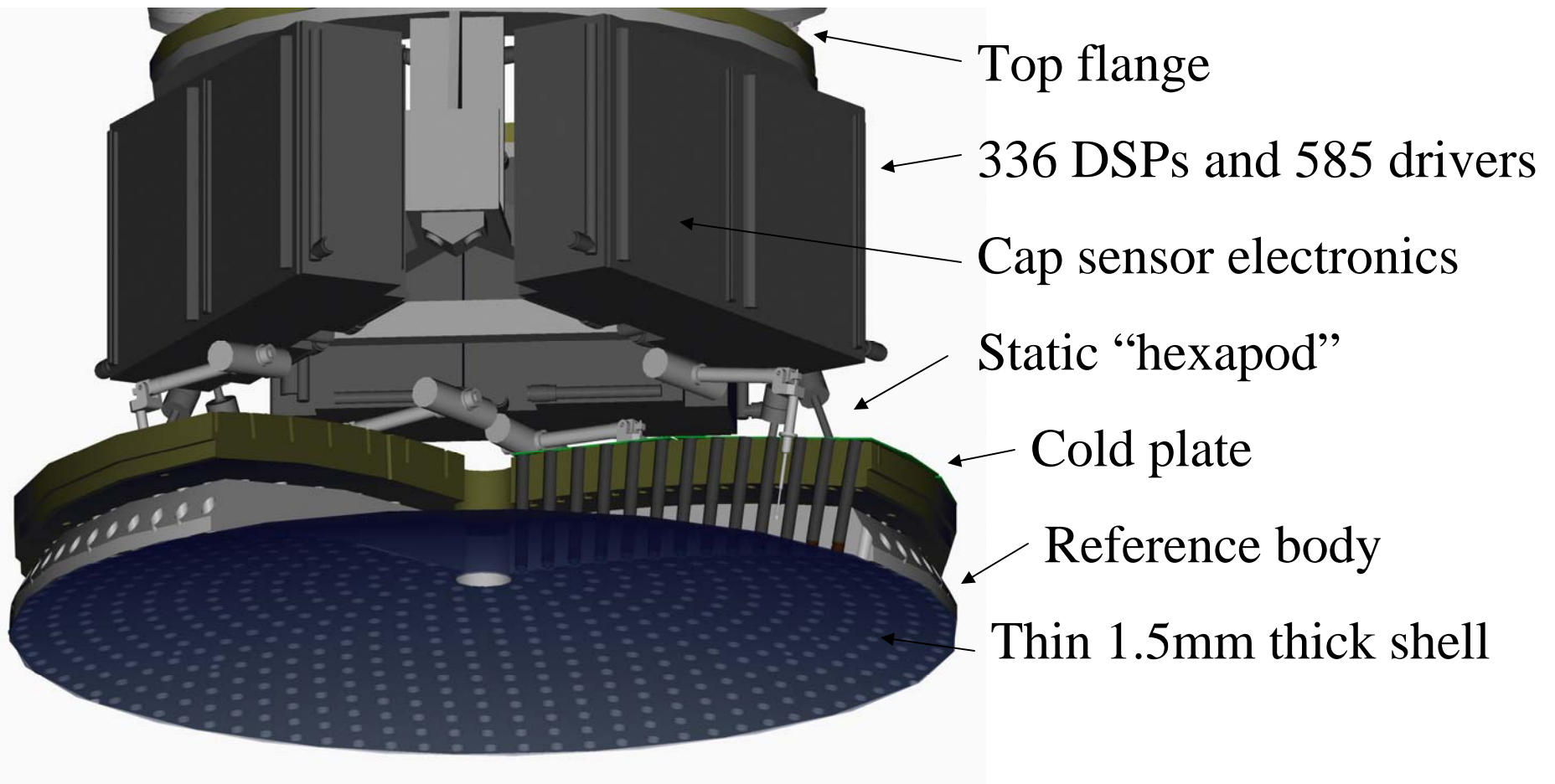
- The f/16 Adaptive Secondary will mount roughly in the same location as the fixed f/11 secondary and should not require a new secondary cage.
- The WFS will mount in a newly built guider and spacer that mount to the folded port rotator. BLINC/MIRAC 4 will mount to the flange of the guider.

# Secondary Mounting Position

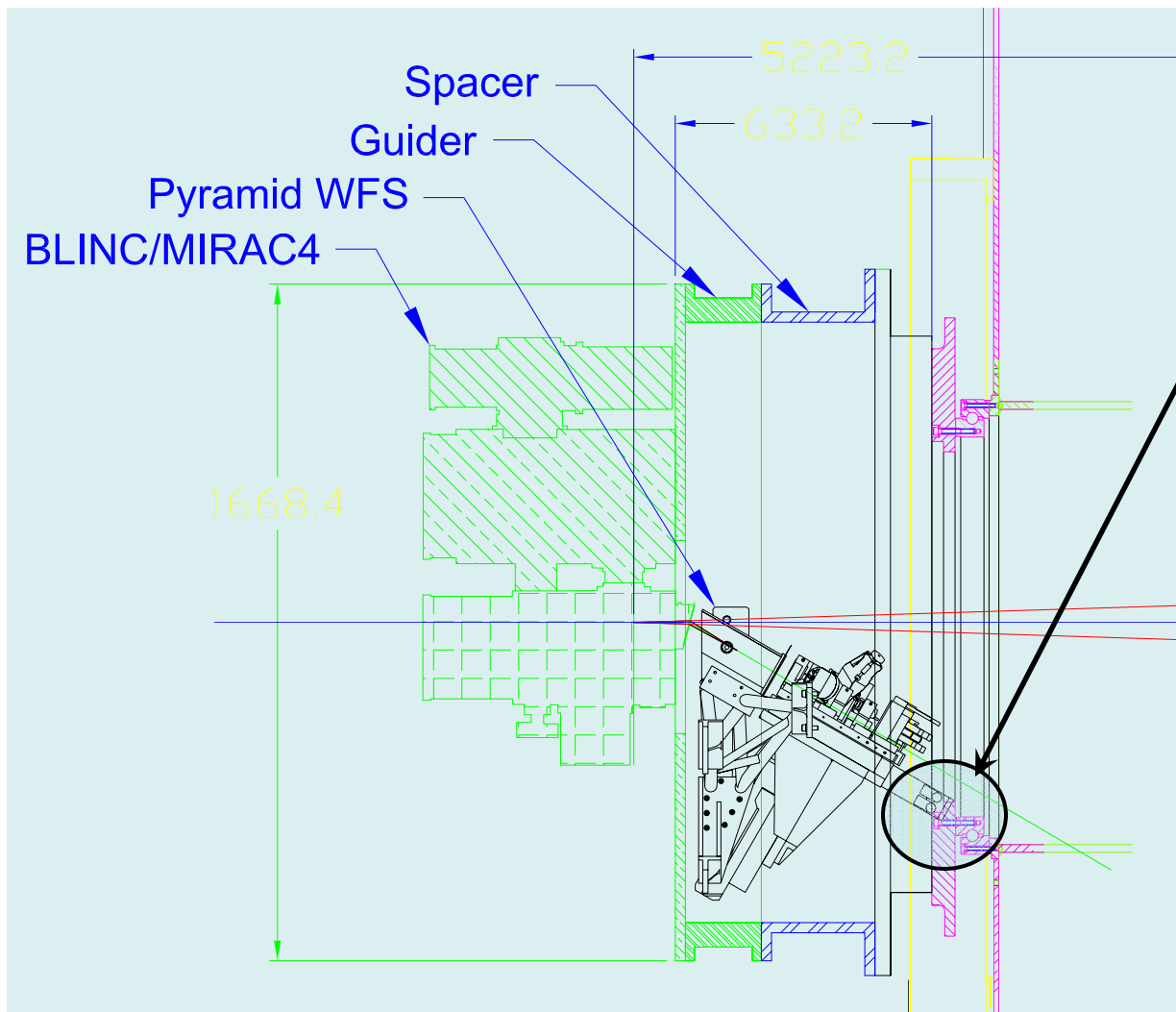


- The details of the f/16 secondary mounting flange remains to be designed, but should easily interface the f/11 mounting flange.
- The mounting flange should allow easy installation and removal.
- The method by which the calibration source is held still needs to be designed as well.

## The LBT Design for 585 Magellan ASM

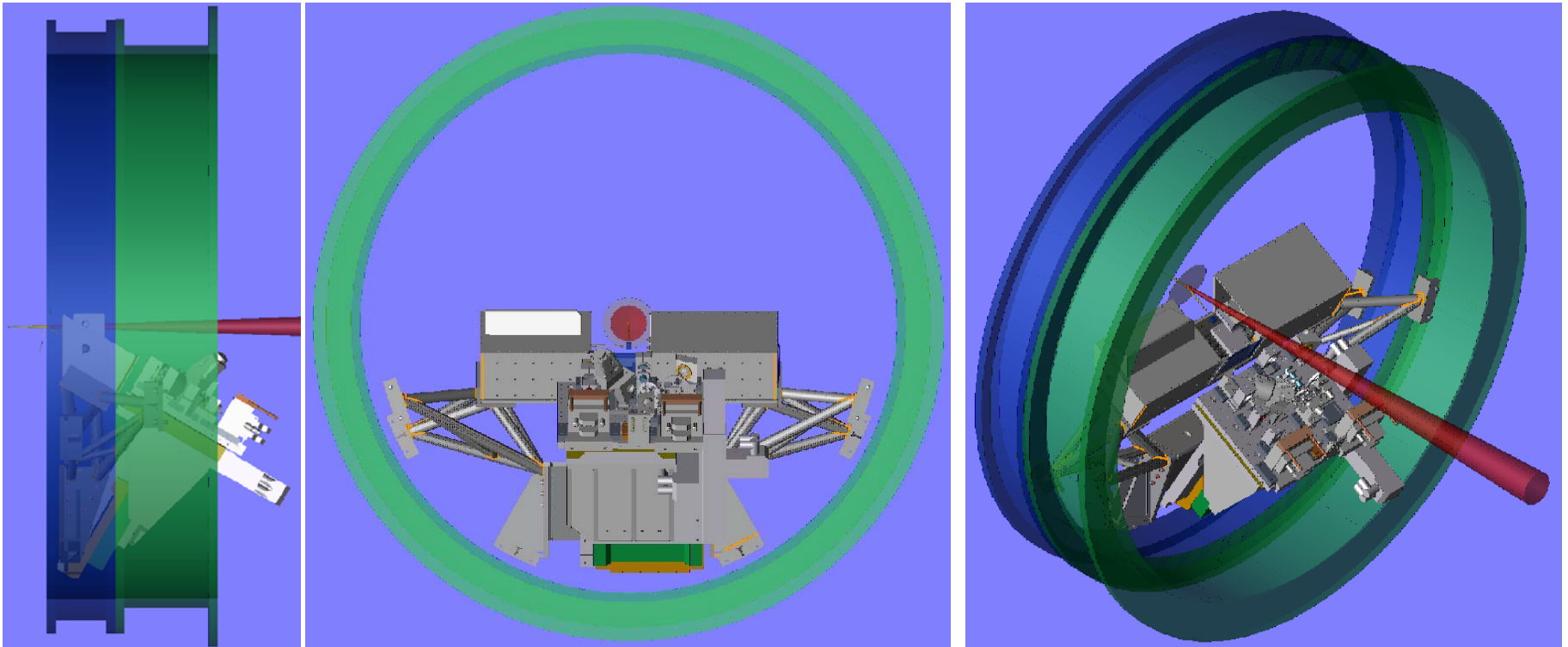


# BLINC/MIRAC 4 / Guider / Pyramid WFS



- View of BLINC/MIRAC4, Guider, Spacer and Pyramid WFS mounted at the folded port.
- Interference between focus stage on WFS and rotator, will use a different stage with a smaller travel to eliminate this condition. Will still meet focus travel requirements.
- Half of the guider area is occupied by the WFS, will only use one probe in guider for piston information. WFS will give tip-tilt.

# Pyramid WFS Model in Guider and Spacer



- This shows the Pyramid WFS unit will comfortably fit in the spacer and guider volume, with the exception of the focus stage interfering with the rotator.
- Additionally the existing mounting brackets allow the Pyramid WFS to mount to either the guider or the spacer with little or no modification of the Pyramid WFS design.

# Project Schedule

